

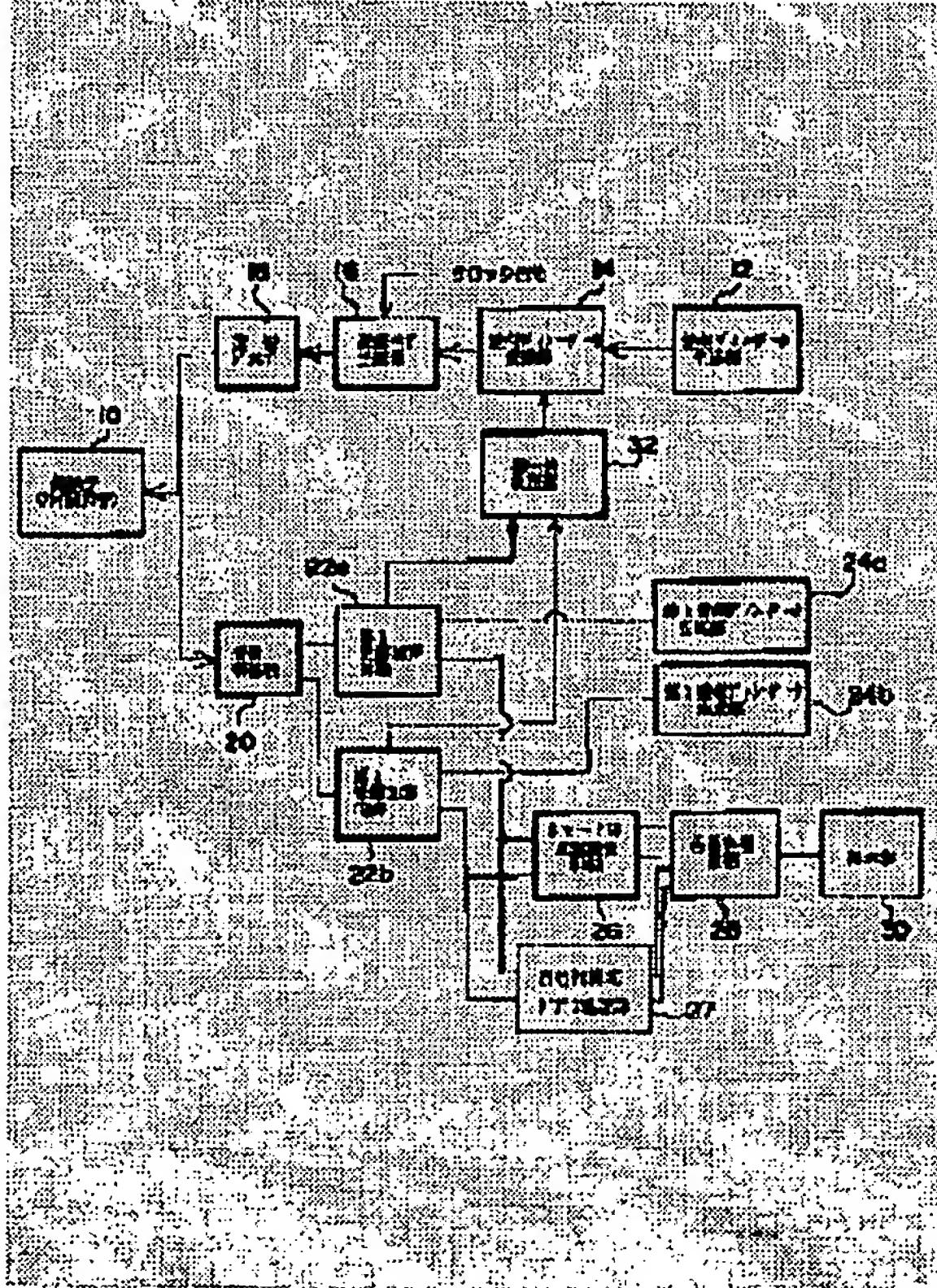
ULTRASONIC DIAGNOSTIC SYSTEM AND ULTRASONIC WAVE TRANSMITTING/RECEIVING METHOD FOR DIAGNOSIS

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Abstract of JP10328185

PROBLEM TO BE SOLVED: To uniform ultrasonic images by equalizing an angle and a signal level in the transmission of two scanning lines to be provided in one time of transmission. **SOLUTION:** A transmission delay data generating part 12 generates transmission delay data determining delay time for each vibrator at a probe 10 in order to form a transmission beam in the target transmission direction. On the other hand, both reception adder circuits 22a and 22b respectively output the angle of deviation between target and real reception directions to a correction value determining part 32 as the error of delay characteristics. The correction value determining part 32 determines the amount of correction in the target transmission direction required for forming the transmission beam at the center of two reception beams to be really formed. Based on this correction amount, a transmission delay data converting part 14 corrects the transmission delay data. While using the corrected data, the transmission beam is formed.



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